

**ABSTRACT**

[00132] Techniques to detect whether or not a remote terminal is under the coverage of a repeater within a wireless communication network, which may be based on (1) a list of base stations expected to be received while under the repeater's coverage, (2) the characterized environment of the repeater, and/or (3) the propagation delays for a transmission received at the remote terminal. Additional ambiguity resulting from being under a repeater's coverage may also be accounted for and/or compensated by (1) discarding time measurements from repeated base stations, (2) adjusting the processing for position estimation to account for the additional ambiguity due to the repeater, (3) computing a series of position estimates based on multiple transmissions received from the same originating base station and selecting the best estimate, and/or (4) computing a series of position estimates based on multiple transmissions from multiple originating base stations and selecting the best estimate.